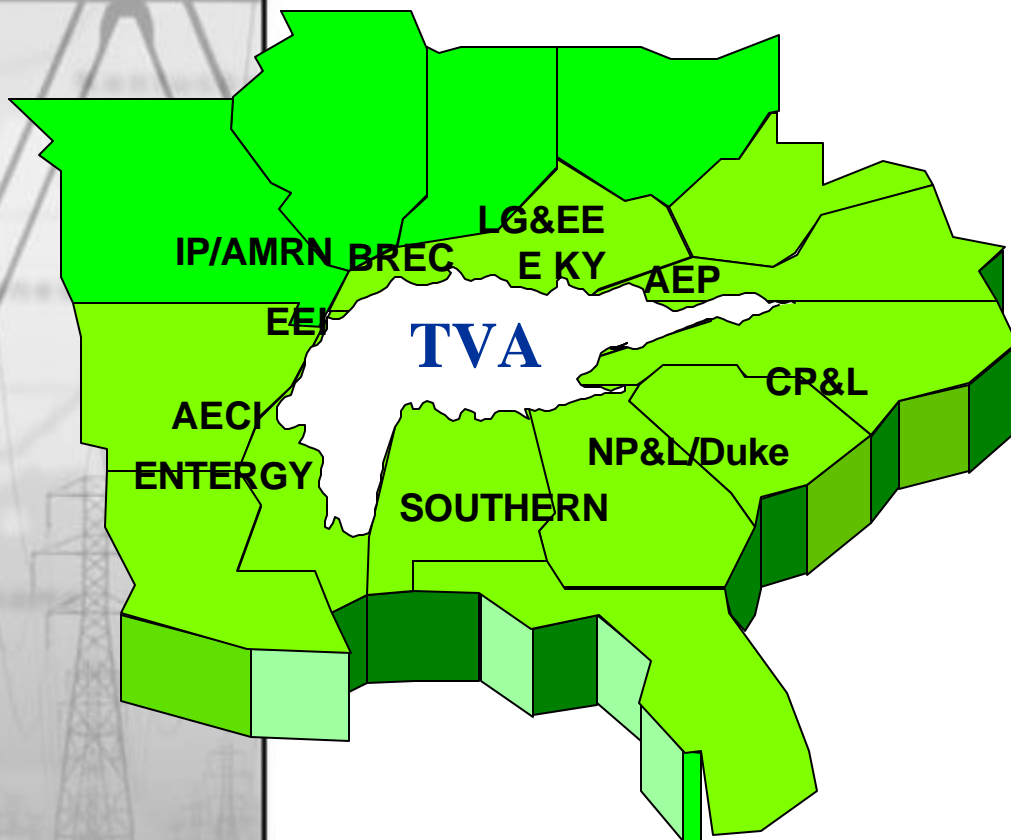


System Dimensions



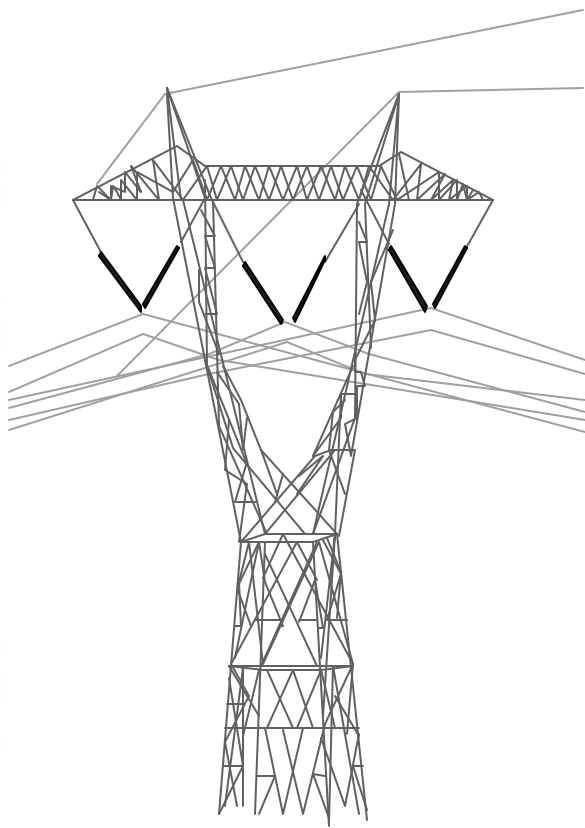
- 80,000 square miles
- 158 distributors
- 62 Directly Served Industries
- 8.3 Million Consumers

Load Data

Summer 29,000 MWs

Winter 27,000 MWs

Transmission System



- 2,400 miles 500-kV
- 10,000 miles 161-kV and above
- 34 500-kV Substations
- 57 Interconnections with 12 Other Power Systems

Interconnection Agreement

- Requirements
 - Operating Committee
 - Imbalance Agreement
 - Test power Agreement
 - Reliability Coordination Agreement

Operating Committees

- Voltage Schedules
- Routine Communications
 - Daily, Weekly, Monthly and Yearly communications
- Non- Routine Communications
 - Transmission Loading Relief
 - Unscheduled Transmission Outages/Emergency
- Equipment and Environmental Limitations, Minimum Start and Restart Times
- Reserving Transmission from the Generating Facilities
 - OASIS
 - Firm/Non-Firm
 - Paths
- Generation Availability Data Required by TVA for Transmission Reliability

Operating Committees

- Operating Procedures
 - Delivery Point
 - Diagrams
 - Staffing points of contact
 - Exhibit A - Company
 - Exhibit B - TVA
 - Connecting / disconnecting/ switching
 - Communication procedures
 - Tariff
 - Tagging



Exhibit A

ABC Company CONTACT LIST

**Real Time Trading &
Hourly Scheduling**

**Day Ahead
Trading & Scheduling**

**Facility Name
Plant Operations**

24 Hour Trading Operations

Trading

Plant Supervisor



Exhibit B

**TENNESSEE VALLEY
AUTHORITY
1101 Market Street, MR BA
Chattanooga, TN 37402-2801**

	<u>ELECTRIC SYSTEM OPERATIONS</u> Vice President VAN WARDLAW 423-751-8678	<u>OPERATIONS ANAGEMENT MANAGER</u> Chuck Feagans 423-751-4439	
<u>TRANSMISSION CHIEF DISPATCHER</u>	<u>RELIABILITY AUTHORITY</u>	<u>OPERATIONS SPECIALIST</u>	<u>OPERATIONS SPECIALIST</u>
JAMES REGG 423-751-6027	BILL LUNDIN 423-751-6892	GARY RUDDER 423-751-7917	Jeff Newsome 423-751-8941



Exhibit B

<u>TRANSMISSION SUPERVISOR</u> MICHELL REED 423-751-2722	<u>TRANSMISSION SUPERVISOR</u> DAVID TROY 423-751-2733		
	<u>LOAD COORDINATORS (GENERATION)</u> PHONE 423-751-4134 423-751-4136 423-751-4135	<u>HOURLY SCHEDULERS</u> PHONE 423-751-4134 423-751-4135 FAX 423-751-7346	<u>DAILY SCHEDULERS</u> PHONE 423-751-7677 FAX 423-751-2434
<u>NORTHWEST CELL</u> 1-888-8882-4010, 1-423-751-6820		<u>NORTHEAST CELL</u> 1-888-882-4012, 1-423-751-6825	
<u>SOUTHWEST CELL</u> 1-888-882-4009, 1-423-71-6823		<u>SOUTHEAST CELL</u> 1-888-882-4011, 1-423-751-4011	

TRANSMISSION Provider/Security
Phone 423-751-3141

Congestion Management

- System Monitoring
- Operating Procedures
- NERC Transmission Loading Relief Procedure (TLR)
 - Flowgates
 - Interchange Distribution Calculator
 - Reliability Authority Information System

Summary of TLR Levels

TLR Level	Security Coordinator Action	Comments	
1	Notify Security Coordinators of potential Operating Security Limit violations		System Secure
2	Hold Interchange Transactions at current levels to prevent Operating Security Limit violations	Of those transactions with a 5% or greater impact on the constrained facility, only those under existing Transmission Service reservations will be allowed to continue, and only to the level existing at the time of the hold.	
3a	Curtail Transactions using Non-firm Point-to-Point Transmission Service to allow Transactions using higher priority Point-to-Point Transmission Service	Curtailment follows Transmission Service priorities. Higher priority transactions are enabled to start by the Reallocation process.	
3b	Curtail Transactions using Non-firm Point-to-Point Transmission Service to mitigate Operating Security Limit Violation	Curtailment follows Transmission Service priorities.	Security Limit Violation

Summary of TLR Levels

4	Reconfigure transmission system to allow Transactions using Firm Point-to-Point Transmission Service to continue	There may or may not be an Operating Security Limit violation.	
5a	Curtail Transactions (pro rata) using Firm Point-to-Point Transmission Service to allow new Transactions using Firm Point-to-Point Transmission Service to begin (pro rata).	Attempts to accommodate all Transactions using Firm PTP Transmission Service, though at a reduced level. Pro forma tariff also requires curtailment / Reallocation on pro rata basis with Network Integration Transmission Service and Native Load.	System Secure
5b	Curtail Transactions using Firm Point-to-Point Transmission Service to mitigate Operating Security Limit Violation	Pro forma tariff requires curtailment on pro rata basis with Network Integration Transmission Service and Native Load.	Security Limit Violation
6	Emergency Action	Could include demand-side management, redispatch, voltage reductions, interruptible and firm load shedding	
0	TLR Concluded	Restore transactions	System Secure